Kyle Harrison Brown

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Education:

Bachelor of Science, Computer Science   Graduation: May 2019
Azusa Pacific University, Azusa CA

Technical Skills:

Python, Matlab, IBM DOORs, Java, JavaScript (Three.js, React Native), R, SQL, C++

Experience:

Systems Engineer: Raytheon Technologies, Santa Barbara, CA   June 2019 - Present
- Managed requirements in DOORS and developed test plan for Radar Warning Receiver (RWR) projects
- Processed and analyzed terabytes of RWR binary data using python & excel to investigate software bugs
- Managed and queried Oracle SQL database to provide quick insights into data
- Doubled program delivery of Mission Data Files (MDF) by automating various development processes

Software Engineering Intern: 42 Interactive, Pasadena, CA   Summer 2018
- Utilized Three.js to bring a front-end to our white-boxed 3D AI solution
- Developed structure to explore implementing new web-based application for 3D data visualization to be used for research, fintech, and healthcare organizations

Projects:

Gatzby
- Developed a price comparison app built with React Native and Firebase for a capstone team project.
- Core Responsibilities on the team were React, and implementing Redux to search and read user queries then grabbing corresponding data from Amazon, Target, and Walmart

Project Namibia
- Assisted in the development of a digital record system for all Namibian hospitals, serving a population of about 2.6 million people
- My specific team was tasked with integrating DHIS2 into our project, an international healthcare database and analysis tool utilized by over 60 countries

Pac-Man AI
- Implemented a program to solve a game of Pac-man, written in Python
- Utilized different search algorithms for agents: (DFS, BFS, UCS, A-star)
- Programmed agents to solve three different problems, each with more difficulty

Chinese Hieroglyphics Website
- Built a website using HTML & CSS in the frontend and PHPMyAdmin to connect to a SQL database to send and receive data
- Saved a database of users to keep track of translation queries from a fixed set of possible strings

Extracurricular:

Board Member   July 2019 - July 2020
G69 Foundation: A 501(c)(3) non-profit organization dedicated to developing athletes from underrepresented countries to provide opportunities to study at top U.S. universities through athletic scholarships
- Assisted in fundraising through direct solicitation and event planning execution.
- Obtained scholarships and professional contracts for five athletes in our first year of operation